CLAIMS

WHAT IS CLAIMED IS:

1. A method for configuring an electronically steerable beam of a traffic signal light, comprising:

receiving at least one command to change a viewing angle of a traffic signal light; translating the command to a power line command;

sending the power line command to the traffic signal light, wherein the power line command effects an electronic steerable beam of the traffic signal light; and

adjusting a viewing angle of at least a portion of the traffic signal light based on the power line command.

- 2. The method of claim 1 further comprising storing the viewing angle.
- 3. The method of claim 1 further comprising interactively adjusting the viewing angle.
- 4. The method of claim 1 further comprising dynamically adjusting the viewing angle.
- 5. The method of claim 1 further comprising adjusting the viewing angle based on a vantage point of a vehicle at a location proximate the traffic signal light.
- 6. The method of claim 1 further comprising encrypting at least one of a following command from a group consisting of:

the at least one command; and the power line command.

- 7. The method of claim 1, wherein the command is received in at least one of a following manner from a group consisting of:
 - a wireless connection;
 - a wired connection; and
 - a combination wireless and wired connection.
- 8. The method of claim 1, wherein the power line command is sent in at least one of a following manner from a group consisting of:
 - a wireless connection;
 - a wired connection; and
 - a combination wireless and wired connection.
- 9. A computer readable medium comprising instructions for:
 receiving a command to change a viewing angle of at least one traffic signal light;
 wherein a Light Emitting Diode of the traffic signal light comprises an array of
 columns and rows;

performing at least one of a following action, based on the command, from a group consisting of:

turning at least one of the columns on;
turning at least one of the columns off;
turning at least one of the rows on; and
turning at least one of the rows off; and
changing the viewing angle based on the performed action.

10. The computer readable medium of claim 9 further comprising increasing the viewing angle by performing at least one of the following actions from a group consisting of:

turning the at least one of the columns on;

turning a portion of the at least one of the columns on;

turning the at least one of the rows on; and

turning a portion of the at least one of the rows on.

11. The computer readable medium of claim 9 further comprising decreasing the viewing angle by performing at least one of the following actions from a group consisting of: turning the at least one of the columns off; turning a portion of the at least one of the columns off; turning the at least one of the rows off; and turning a portion of the at least one of the rows off.

12. The computer readable medium of claim 9 further comprising increasing the viewing angle by turning the at least one of the columns on situated to a side of a current on column from a group consisting of:

a left side; and a right side.

13. The computer readable medium of claim 9 further comprising increasing the viewing angle by turning the at least one of the columns on situated to a side of a current off column from a group consisting of:

a left side; and a right side.

14. The computer readable medium of claim 9 further comprising decreasing the viewing angle by turning the at least one of the columns off situated to a side of a current on column from a group consisting of:

a left side; and a right side.

15. The computer readable medium of claim 9 further comprising decreasing the viewing angle by turning the at least one of the columns off situated to a side of a current off column from a group consisting of:

a left side; and a right side.

16. The computer readable medium of claim 9 further comprising increasing the viewing angle by turning the at least one of the rows on situated to a side of a current on row from a group consisting of:

a top side; and

a bottom side.

17. The computer readable medium of claim 9 further comprising decreasing the viewing angle by turning the at least one of the rows on situated to a side of a current off row from a group consisting of:

a top side; and

a bottom side.

18. The computer readable medium of claim 9 further comprising increasing the viewing angle by turning the at least one of the rows off situated to a side of a current on row from a group consisting of:

a top side; and

a bottom side.

19. The computer readable medium of claim 9 further comprising decreasing the viewing angle by turning the at least one of the rows off situated to a side of a current off row from a group consisting of:

a top side; and

a bottom side.

- 20. The computer readable medium of claim 9 further comprising changing an electronically steerable beam of the traffic signal light based on the changed viewing angle.
- 21. The computer readable medium of claim 9 further comprising independently performing the at least one of the following action.

- 22. The computer readable medium of claim 9 further comprising contemporaneously performing the at least one of the following action.
- 23. A method for configuring an electronically steerable beam of a traffic signal light, comprising:

selecting a vantage point for beam steering;

adjusting at least one of a following viewing perspective of the traffic signal light from a group consisting of:

a horizontal viewing angle;

a horizontal viewing width;

a vertical viewing angle; and

a vertical viewing width; and

setting the adjusted at least one of the viewing perspectives.

24. The method of claim 23 further comprising adjusting the viewing perspectives by performing at least one of a following action from a group consisting of:

widening the horizontal viewing angle; narrowing the horizontal viewing angle; widening the horizontal viewing width; and

narrowing the horizontal viewing width.

25. The method of claim 23 further comprising adjusting the viewing perspectives by performing at least one of a following action from a group consisting of:

widening the vertical viewing angle;

narrowing the vertical viewing angle;

widening the vertical viewing width; and

narrowing the vertical viewing width.

26. The method of claim 24 further comprising performing the narrowing by reducing at least one column associated with the traffic signal light.

- 27. The method of claim 24 further comprising performing the widening by increasing at least one column associated with the traffic signal light.
- 28. The method of claim 25 further comprising performing the narrowing by reducing at least one row associated with the traffic signal light.
- 29. The method of claim 25 further comprising performing the widening by increasing at least one row associated with the traffic signal light.
- 30. The method of claim 24 further comprising performing the narrowing by reducing at least a portion of at least one column associated with the traffic signal light.
- 31. The method of claim 24 further comprising performing the widening by increasing at least a portion of at least one column associated with the traffic signal light.
- 32. The method of claim 25 further comprising performing the narrowing by reducing at least a portion of at least one row associated with the traffic signal light.
- 33. The method of claim 25 further comprising performing the widening by increasing at least a portion of at least one row associated with the traffic signal light.
- 34. A system for configuring an electronically steerable beam of a traffic signal light, comprising:

a wireless device adapted to send at least one command to change a viewing angle of a traffic signal light;

a control unit adapted to receive the command;

the control unit further adapted to:

translate the command to a power line command;

send the power line command to the traffic signal light, wherein the power line command effects an electronic steerable beam of the traffic signal light; and

adjust a viewing angle of at least a portion of the traffic signal light based on the power line command.

35. A system for configuring an electronically steerable beam of a traffic signal light, comprising:

a wireless device adapted to send at least one command to change a viewing angle of a traffic signal light; and

a control unit adapted to receive the command;

the control unit further adapted to send the command to the traffic signal light, wherein the command adjusts a viewing angle of at least a portion of the traffic signal light.

- 36. The system of claim 35, wherein the control unit is internally coupled to the traffic signal light.
- 37. The system of claim 35, wherein the control unit is externally coupled to the traffic signal light.
- 38. The system of claim 35, wherein the control unit is internally coupled to the wireless device.
- 39. The system of claim 35, wherein the control unit is externally coupled to the wireless device.
- 40. The system of claim 35, wherein the control unit is coupled to at least one Light Emitting Diode array of the traffic signal light.
- 41. The system of claim 35 further comprising receiving the at least one command by the wireless device.
 - 42. The system of claim 41, wherein the received command is a voice command.
- 43. The system of claim 42, wherein the received command is received by a depressing of a portion of the wireless device, wherein the portion is at least one of a following portion from a group consisting of:

a touchscreen; arrow keys; and a combination of a touch screen and arrow keys.

44. An electronic device, comprising:

means for receiving at least one command to change a viewing angle of a traffic signal light;

means for translating the command to a power line command;
means for sending the power line command to the traffic signal light, wherein the
power line command effects an electronically steerable beam of the traffic signal light; and
means for adjust a viewing angle of at least a portion of the traffic signal light
based on the power line command.

45. A wireless device adapted to configure an electronically steerable beam of a traffic signal light to a desirable viewing angle and viewing width, wherein the traffic signal light comprises an array of columns and rows consisting of light emitting diodes, comprising:

means for performing at least one of a following action from a group consisting of:

shift left;
shift right;
all columns on;
all columns off;
all rows on;
all rows off;
increase horizontal viewing angle;
decrease horizontal viewing angle;
shift up;
shift down;
increase vertical viewing angle; and
decrease vertical viewing angle.

46. A device comprising a graphical user interface adapted to configure an electronically steerable beam of a traffic signal light in order to alter a viewing angle of the traffic signal light, the traffic light signal including a Light Emitting Diode consisting of an array of columns and rows, the device comprising:

means for selecting at least a portion of at least one of the columns; means for deselecting at least a portion of at least one of the columns; means for turning on at least a portion of at least one of the columns; means for turning off at least a portion of at least one of the columns; means for selecting at least a portion of at least one of the rows; means for deselecting at least a portion of at least one of the rows; means for turning on at least a portion of at least one of the rows; and means for turning off at least a portion of at least one of the rows.